

INTERAGENCY COORDINATING COMMITTEE (IACC)
MARINAS AND RECREATIONAL BOATING WORKGROUP
DRAFT MINUTES FOR THE September 13, 2007 Meeting

Meeting Attendees: Molly Munz (State Water Resources Control Board), Dan Little (Central Valley Regional Board), Alan White (CA Integrated Waste Management Board), Kevin Atkinson (Department of Boating and Waterways)

Telephone Attendees: Lisa Sniderman (California Coastal Commission), Vivian Matuk (Coastal Commission/DBW), Stefanie Hada (LA Regional Board), Leigh Taylor Johnson, Jaime Gonzalez, Jenny (Sea Grant Program), Peter Von Langen (Central Coast Regional Board), Lilian Busse (San Diego Regional Board), Linda Candelaria (Santa Ana Regional Board).

1. Announcements, Review of Action Items

Lisa (CCC) passed on an inquiry from Vivian (CCC/DBW) re: questioning the practice of a boater using Terminix or equivalent to deal with termite problems applied directly to a boat while in water. Linda (Santa Ana Regional Board) did not want to encourage this because of unknown pesticide releases. After brief discussion, it was agreed that Lisa or Vivian would talk to Nan at DPR and bring the response back to the group.

Vivian also announced that there will be a Free Delta HAZWOPER seminar for Marina Operators on November 8 at the Port of Stockton. The seminar is offered by the Keep the Delta Clean Program which is being implemented by Contra Costa, Sacramento, San Joaquin, Solano and Yolo Counties, the City of Stockton, the California Coastal Commission and the California Department of Boating and Waterways. The seminars will be conducted and certified by the U.S. Coast Guard. Funding for the KDC is provided by the State Water Resources Control Board. For more information, contact Vivian Matuk at vmatuk@coastal.ca.gov or (415) 904-6905.

Lisa (CCC) reviewed the Action Items from the July 12 Marina IACC meeting and provided or asked others to provide updates. Lisa indicated that she sent out the mobile pumpout questionnaire to a few pilot marinas. Lisa also reported that she followed up with the Clean Marina Program to determine which recommendations the Program has implemented. The Clean Marina Program staff indicated that the Guidebook has been revised, but it may take some time to identify which recommendations had been incorporated or would be in the future. In response to the action item for Steve (State Water Board) to present findings on marinas contribution studies at a future meeting, Molly offered to send the draft document of California-specific marina contribution studies out to the Marina IACC and also to bring this back to a future meeting (in 6 months). Some of the items will be carried over including:

New Action Items:

- Molly will send Marina IACC document of California-specific marina contribution studies for review and input and will bring back findings at a future Marina IACC meeting
- Vivian/Lisa will email response from DPR re: application of Terminix to Marina IACC
- Lisa will reconvene the Clean Marinas Subcommittee to help identify changes made

Carry-Over Action Items:

- Once posted, Peter (Central Coast Regional Board) will send Lisa the link to the stormwater permit for City of Santa Barbara and Lisa will forward the link to Marina IACC.
- Lisa will work with Molly and interested Marina IACC participants to form subcommittee to work on marina and recreational boating-related invasive species issues

- Lisa will send out mobile services excel spreadsheet to Marina IACC

2. **Invasive Species Presentation on Aug 18 Seminar**

Leigh Johnson and Jamie Gonzalez, University of California Sea Grant Extension Program presented on Aquatic Invasive Species and Water Quality Issues. This presentation was intended to set the stage for the invasive species topic and relevance to marinas and recreational boating. The Marina IACC will hear additional presentations on the topic at the November 8 meeting. A summary of their presentation follows.

Aquatic invasive species (AIS) create ecological, structural and economic impacts on coastal ecosystems and communities. They may outcompete, overgrow, consume or cause diseases in native species (or cause human diseases). They may also create structural problems, for example, clogging water pipes, eroding shorelines, and fouling boat hulls and fishing gear. Prevention is the most cost effective means of reducing risks from AIS; eradication and control are expensive and may not succeed. Research has found that “propagule pressure” or level of AIS introductions influences the chance that populations will become established.

Ship hulls are believed to be the primary vector transporting hull-borne aquatic invasive species (AIS) among major ports; boats are implicated in spreading them to smaller harbors and wetlands along the coast. Copper antifouling paints, the most popular fouling control strategy, have come under regulatory scrutiny as sources of copper pollution in coastal marinas. Scientists working on the coast of Australia and in San Francisco Bay have found that some AIS tolerate copper better than native species do. Copper tolerant AIS may also provide habitat for less tolerant species, increasing the overall AIS risk.

Policies to reduce dissolved copper levels in coastal marinas and to control AIS will need to consider the complex interactions among these issues, as well as social, economic, ecological and technical factors. California Department of Fish and Game (CDFG) is the lead state agency for AIS and has prepared a management plan that is awaiting final approval. Congress is considering the National Aquatic Invasive Species Act of 2007 that includes some language for controlling AIS on recreational boats.

Research will be needed to develop long-term strategies to manage hull-borne AIS risks for boats kept in saltwater. Meanwhile, whether the hull coating is copper-based or nontoxic, we recommend that boat hulls be cleaned and bilge/bait tank areas be flushed and cleaned before a trip to another area and before returning.

Resources: US Fish and Wildlife Service has created the excellent Stop Aquatic Hitchhikers! Website at <http://www.protectyourwaters.net/> with resources for controlling AIS on boats moved by trailer with lessons learned from programs to control Zebra mussels in the eastern and Midwestern US and Canada. CDFG has instructions for controlling the related Quagga mussel that are available on its website <http://www.dfg.ca.gov/invasives/quaggamussel/>. UC Sea Grant Extension Program (UC SGEP) is addressing AIS control on larger boats that are kept in saltwater with research and outreach programs. Visit their website at <http://seagrant.ucdavis.edu> to review their “White Paper,” policy analysis, fact sheets on AIS control, copper tolerance and long-term performance of nontoxic hull coatings, technical reports on their field demonstration of nontoxic hull coatings, and upcoming “Rock the Boat” technical report and “Sampler of Alternative Antifouling Strategies” for more information and references on topics covered in this summary. A bilingual poster on controlling AIS on boats kept in saltwater is available by request.

3. **Marina IACC Participant Updates**

a. Stakeholder meeting for Shelter Island Implementation (*Lilian Busse*):

The Southern Watershed Protection Unit of the San Diego Regional Board held a stakeholder meeting on the implementation of the Shelter Island Yacht Basin Copper Total Maximum Daily Load (TMDL) on August 13, 2007, 1-4 pm at the Regional Board.

Over 50 stakeholders attended the meeting, and nine presentations on different aspects of the TMDL implementation were given. The Regional Board discussed the possibility of a NPDES permit as the regulatory tool for the TMDL implementation. Stakeholders' comments and questions included alternative copper-free boat paints, alternative antifouling techniques, hull cleaning, copper monitoring, implementation of a NPDES permit, and other possibilities of regulatory tools for implementation. This was one of many stakeholder meetings planned over the next year on the implementation of the Shelter Island TMDL. Information on this Stakeholder meeting and on future meetings will be posted on the webpage of the Southern Watershed Protection Unit.

<http://www.waterboards.ca.gov/sandiego/units/watershed%20units/souwatershed.html>

b. New Municipal Storm Water Permit in San Diego County, and the connection to marinas (*Lilian Busse*):

The new San Diego County Municipal Storm Water Permit was adopted in January 2007.

The Port of San Diego owns or operates the municipal separate storm sewer systems (MS4s) that flow into the marinas. Therefore, the Port of San Diego has to comply with the new storm water permit, and reduce the pollutants to the maximum extent practicable. Also, the Port has to comply with the special studies section of the permit, which says: "C: Special Studies; 1. Regional Harbor Monitoring; a: the Copermittees which discharge to harbors shall participate in the development and implementation of the Regional Harbor Monitoring Program." The Regional Harbor Monitoring Program will probably consist of trend monitoring (every 5 years, random design, marinas as one strata). Also, some of the Regional Harbor Monitoring Program might support special monitoring for marinas and copper. Also, boatyards that have industrial activities are covered under an individual industrial storm water permit. The Municipal Storm Water can be found under:

http://www.waterboards.ca.gov/sandiego/programs/sd_stormwater.html

c. Dan Little, Central Valley Regional Board-Recreational Boating Marinas Monitoring.

Dan indicated that the Board manages Prop 13, Prop 40, and Prop 50 grants, works on TMDL's, Basin Plan Amendments, and mercury and pesticide issues. Part of Lower Sacramento Watershed Nonpoint source workplan tasks was to develop a QAPP and Monitoring Plan and produce a final report examining the potential impact on beneficial uses of recreational boating in lakes and rivers. To accomplish this, they would sample marina waters and test for total coliform and *E. coli* bacteria indicators, petroleum hydrocarbons (BTEX and MTBE), and copper and tributyltin (TBT) sources from hull paints. Only 0.2 PY's were allocated for this task so they eliminated the copper and TBT from the study and also TBT is now banned for use in hull paints so unless they wanted to sample sediments, such sampling and testing would be pointless. Resources also dictated that they should limit sampling sites to the largest freshwater marinas in the Sacramento area that they could sample in one run and return to the office and test for bacteria in the afternoon. They sampled six sites at Folsom Lake Marina (Brown's Ravine), Riverview and Riverbank Marinas on Garden Highway, Sacramento City Marina at Miller Park (2 sampling locations), and Cliff's River Marina and Freeport Marina. They made six sampling runs beginning in April 2006 (non seasonal), and three each episodic and non-episodic events on the day after Memorial Day, July 4th, and Labor Day; and then between these high use events to see if they could find any variances in concentrations. A total of 42 water samples were collected and analyzed for the presence of VOCs. The results for bacteria testing show the presence of both total coliform and *E. coli* in all samples. Studies show that in surface waters, certain coliform densities are expected due to naturally occurring biological cycles. One *E. coli* sample

exceeded the EPA standard. Total coliform levels were within normal levels. The results for the petroleum hydrocarbon sampling for MTBE were non-detect for all of the samples. The results for BTEX compounds showed seven results detected with concentrations above the reporting limits. MTBE should no longer be a concern in surface waters since it was banned for use as a gasoline additive in 2004. This was confirmed by the sample results in this study that showed no MTBE detected in any of the samples. Low levels of BTEX compounds were detected in their sampling program. Although seven of 168 samples tested above the reporting limit, none exceeded the California MCLs or CTR standards although one exceeded the California Public Health Goal for Benzene. Based on these results, there does not appear to be much concern for BTEX pollutants in surface waters within recreational areas using the testing protocols in this study although it may be possible that VOCs that were discharged dissipated before the sampling runs. If further information is needed to confirm whether higher levels of petroleum hydrocarbons are discharged it is recommended that further sampling occur during the actual boating events on holidays before dissipation can occur. If resources permit, further studies may be conducted within proximity to drinking water intakes in the Delta although at least one other study is currently in progress. The Delta has different hydraulic and water quality characteristics than the Sacramento River and Folsom Lake sites monitored in this study.

d. Lisa Sniderman, California Coastal Commission-Five Year Plan

Lisa informed the group of an Interagency Coordinating Committee meeting conference call on August 22 to discuss the Nonpoint Source Program's last Five-Year Plan process. The IACC has not met for several years. The agenda for the call included: an overview of the NPS Program including the basis for NPS Program, a short history of the IACC, the current program structure, the current Five-Year Plan; the next Five-Year Plan including purpose and scope, process, timeline, assessment and draft goals and objectives; and next steps for the IACC, including a possible face-to-face meeting in the Fall.

e. Other Updates

Linda (Santa Ana Regional Board) indicated that she would be prepared to discuss the final report on copper marinas study, the stormdrain study on Lower Newport Bay, and Orange County MS4 permit (not sure if this will address marinas specifically), at the next meeting. Molly (State Water Board) noted some topics for possible future discussion including MSDs and BMPs to reduce erosion.

Action Item:

- Lisa will send Marina IACC participants meeting summary from August 22 IACC conference call
- Linda will provide an update on Santa Ana Regional Board activities at the November 8 meeting
- Stefanie Hada will provide an update on TMDL status for Marina Del Ray

4. **Future Agenda Items:**

Please let me know of any special presentations or agenda items you may want for future meetings. This is your workgroup and I want to make sure we are meeting your needs. We are open to inviting non-members to make presentations.

SAVE THE DATE: The next in-person meeting is scheduled for **November 8, 2007**. We will continue discussing invasive species and the role of the Marina IACC and receive presentations related to the topic.

Meeting Minutes Prepared by: Lisa Sniderman, California Coastal Commission